REVISED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 14 April 2005 (14.04.2005)

PCT

(10) International Publication Number WO 2005/033156 A1

- (51) International Patent Classification⁷: C08F 279/02, C08L 51/00
- C08F 212/08,
- (21) International Application Number:

PCT/KR2004/002572

- (22) International Filing Date: 8 October 2004 (08.10.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

- (30) Priority Data: 10-2003-0069927 8 October 2003 (08.10.2003) KR
- (71) Applicant (for all designated States except US): LG CHEM. LTD. [KR/KR]; LG Twin Tower, East Tower 20, Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KIM, Dong-chul [KR/KR]; Beodeunae Apt. 116-1601, Taepyeong-dong, Jung-gu, Daejeon 301-780 (KR). LEE, Chan-hong [KR/KR]; Lucky Hana Apt. 102-901, Sinseong-dong, Yuseong-gu, Daejeon 305-721 (KR). CHA, Sung-je [KR/KR]; Yeomni-dong 128-63, Mapo-gu, Seoul 121-872 (KR). CHO, Yun-kyoung [KR/KR]; Keunmaeul Apt. 123-602, Galma-dong, Seo-gu, Daejeon 302-756 (KR). AHN, Sung-tae [KR/KR]; Expo Apt. 405-1104, Jeonmin-dong, Yuseong-gu, Daejeon 305-762 (KR).
- (74) Agent: CHO, In-Jae; 3rd Fl., Janghyun Bldg., 637-23, Yeoksam-dong, Ganam-gu, Seoul 135-909 (KR).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
 - with amended claims
- (88) Date of publication of the revised international search report: 23 June 2005
- (15) Information about Correction: see PCT Gazette No. 25/2005 of 23 June 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STYRENIC THERMOPLASTICS COMPOSITION

(57) Abstract: The present invention relates to an acrylic rubber-modified copolymer and the styrenic thermoplastics composition using the same. More particularly, the present invention relates to the styrenic thermoplastics composition having superior appearance and thermoformability, which is obtained by adding 0.5-20 parts by weight of an acrylic rubber-modified copolymer having a rubber particle size ranging from 800 to 6,000 to 100 parts by weight of a resin of 10-50 parts by weight of a graft copolymer comprising rubber-modified styrene and 30-70 parts by weight of a copolymer comprising styrene.

